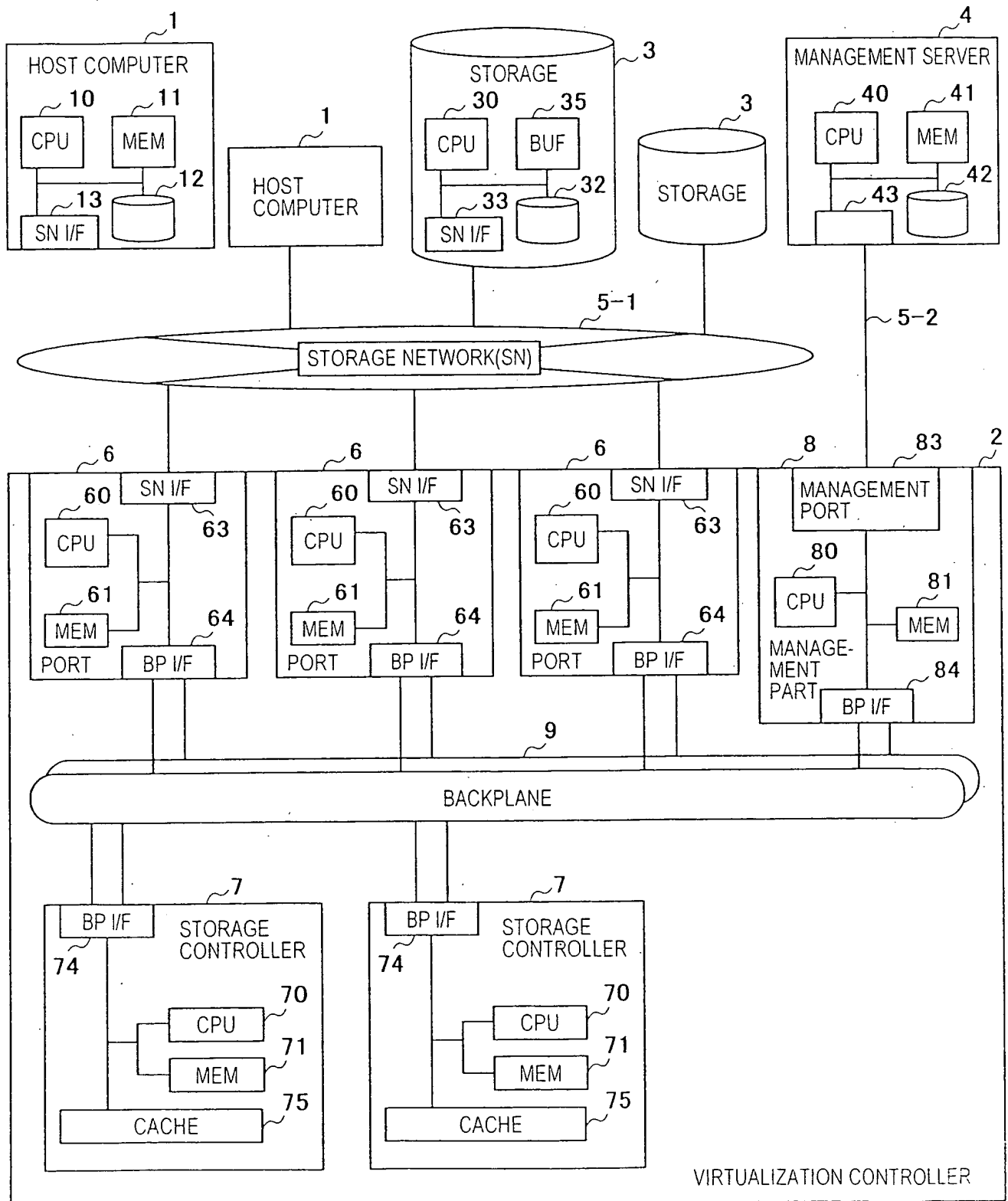


FIG.1



VIRTUALIZATION CONTROLLER

FIG.2

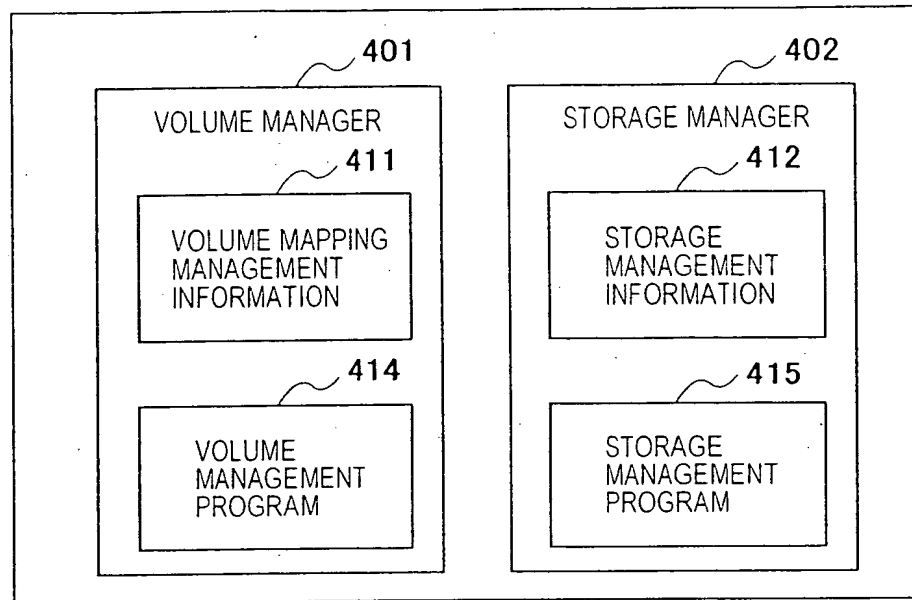


FIG.3

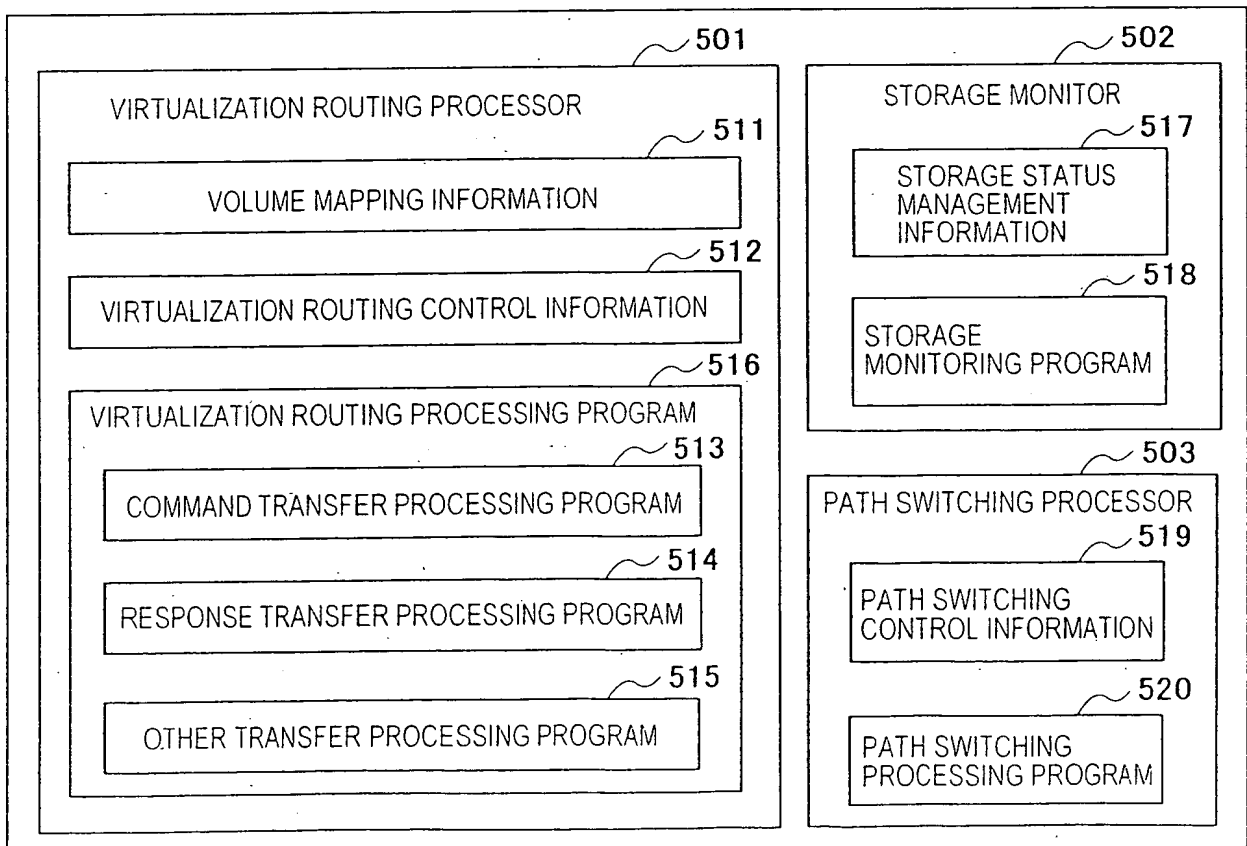
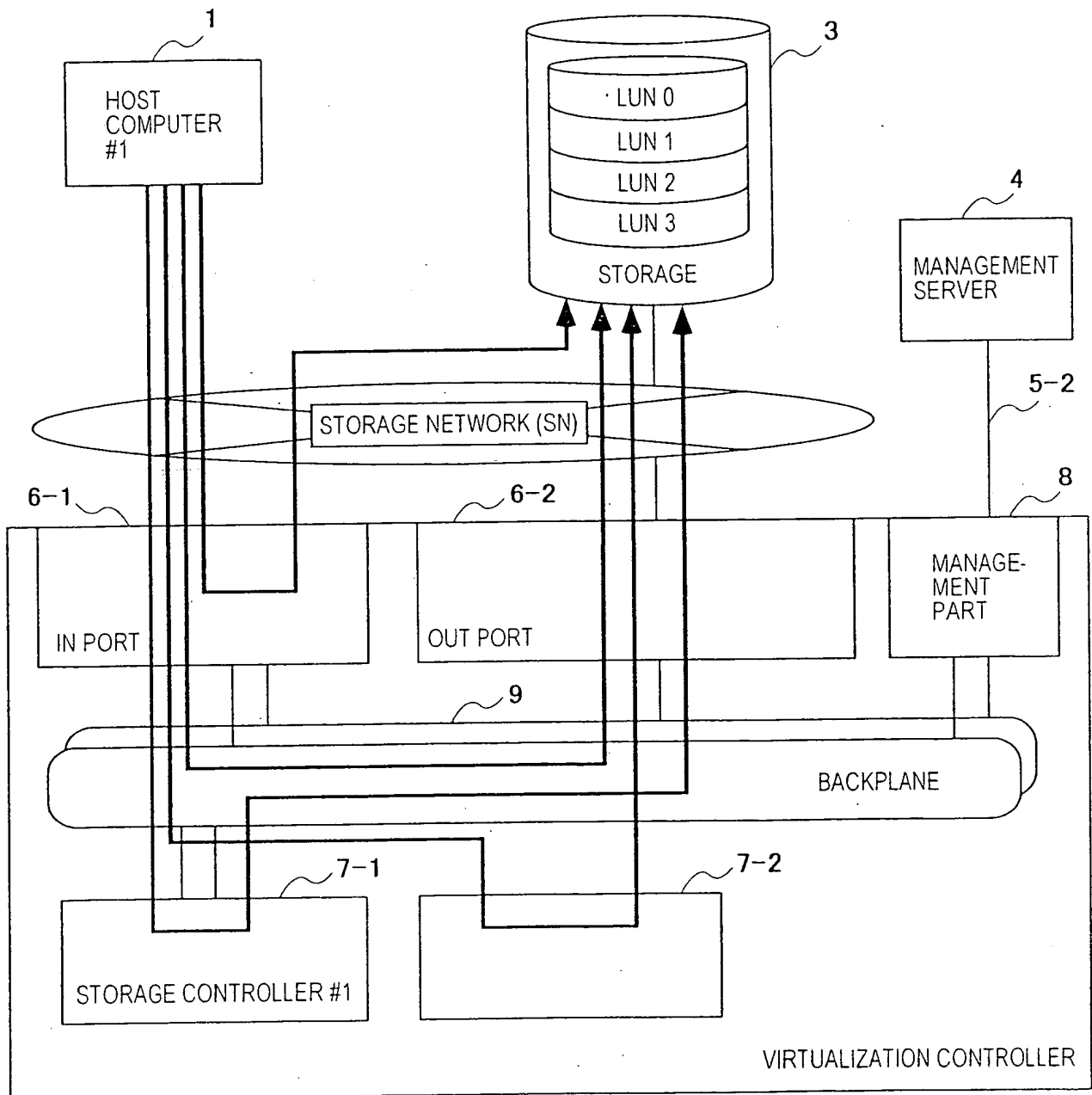


FIG. 4



Replacement Sheet

FIG. 5

VIRTUAL VOLUME MANAGEMENT INFORMATION			REAL VOLUME MANAGEMENT INFORMATION			VIRTUALIZATION PROCESSING MODULE MANAGEMENT INFORMATION	STORAGE CONNECTION MODULE MANAGEMENT INFORMATION	COMMAND PROCESSING MODE
PORT ID	PORT NAME	LUN	PORT ID	PORT NAME	LUN			
V_PID_1	V_PNAME_1	0	V_PID_1	V_PNAME_1	0	STORAGE CONTROLLER #1	OUT PORT	NORMAL
V_PID_2	V_PNAME_2	0	V_PID_1	V_PNAME_1	1	STORAGE CONTROLLER #1	OUT PORT	NORMAL
V_PID_3	V_PNAME_3	0	V_PID_1	V_PNAME_1	2	OUT PORT	OUT PORT	NORMAL
V_PID_4	V_PNAME_4	0	V_PID_1	V_PNAME_1	3	OUT PORT	OUT PORT	NORMAL
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 6

SENDING SOURCE MANAGEMENT INFORMATION		SENDING DESTINATION MANAGEMENT INFORMATION	
SENDING SOURCE IDENTIFICATION INFORMATION	SENDING SOURCE COMMAND IDENTIFICATION INFORMATION	DESTINATION IDENTIFICATION INFORMATION	COMMAND IDENTIFICATION INFORMATION
HOST_PID_1	HOST_TAG_1	STORAGE CONTROLLER #1	INPORT_TAG_1
HOST_PID_1	HOST_TAG_2	STORAGE CONTROLLER #1	INPORT_TAG_2
HOST_PID_1	HOST_TAG_3	OUT PORT	INPORT_TAG_3
HOST_PID_1	HOST_TAG_4	OUT PORT	INPORT_TAG_4
⋮	⋮	⋮	⋮

FIG.7

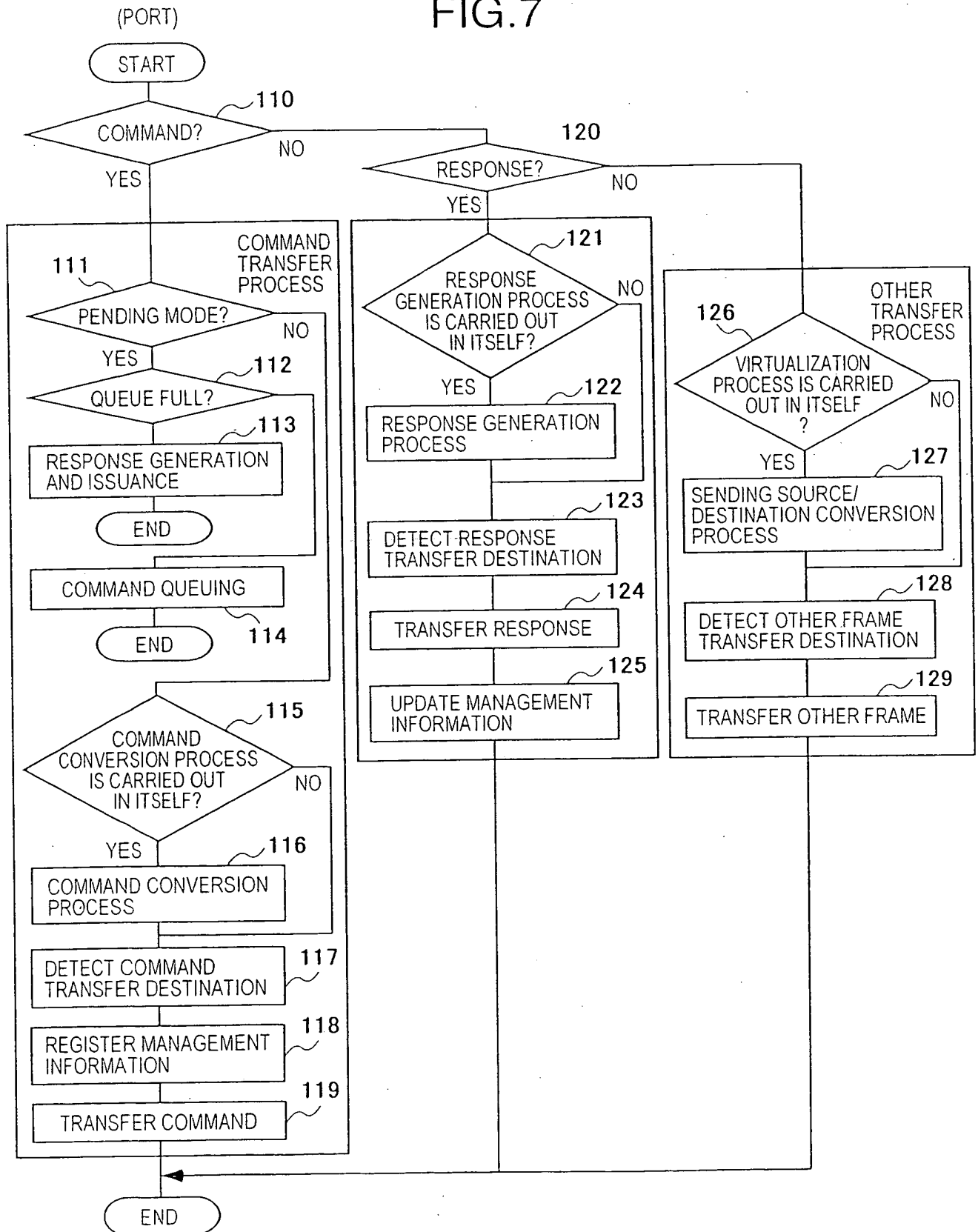


FIG.8

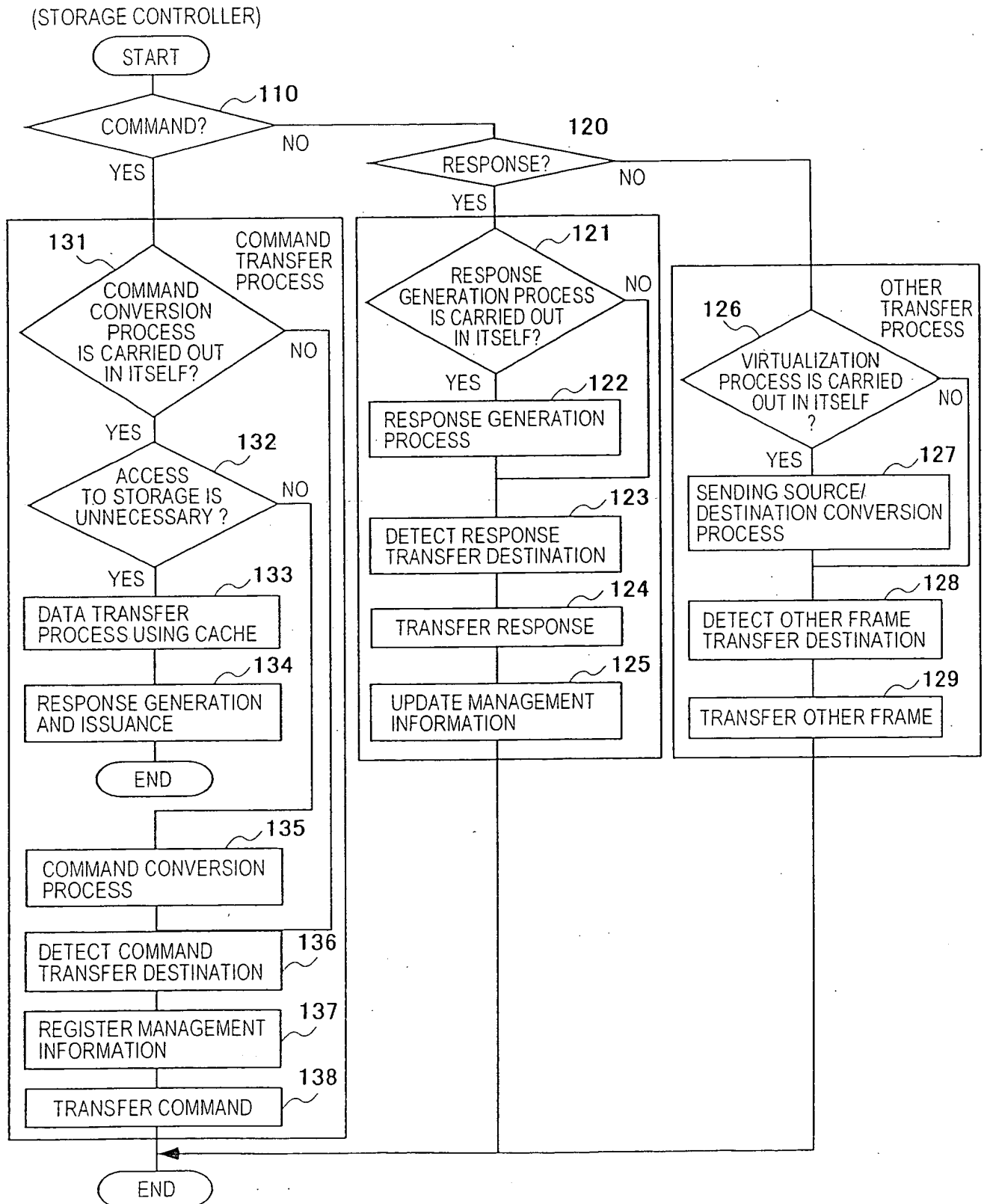


FIG.9

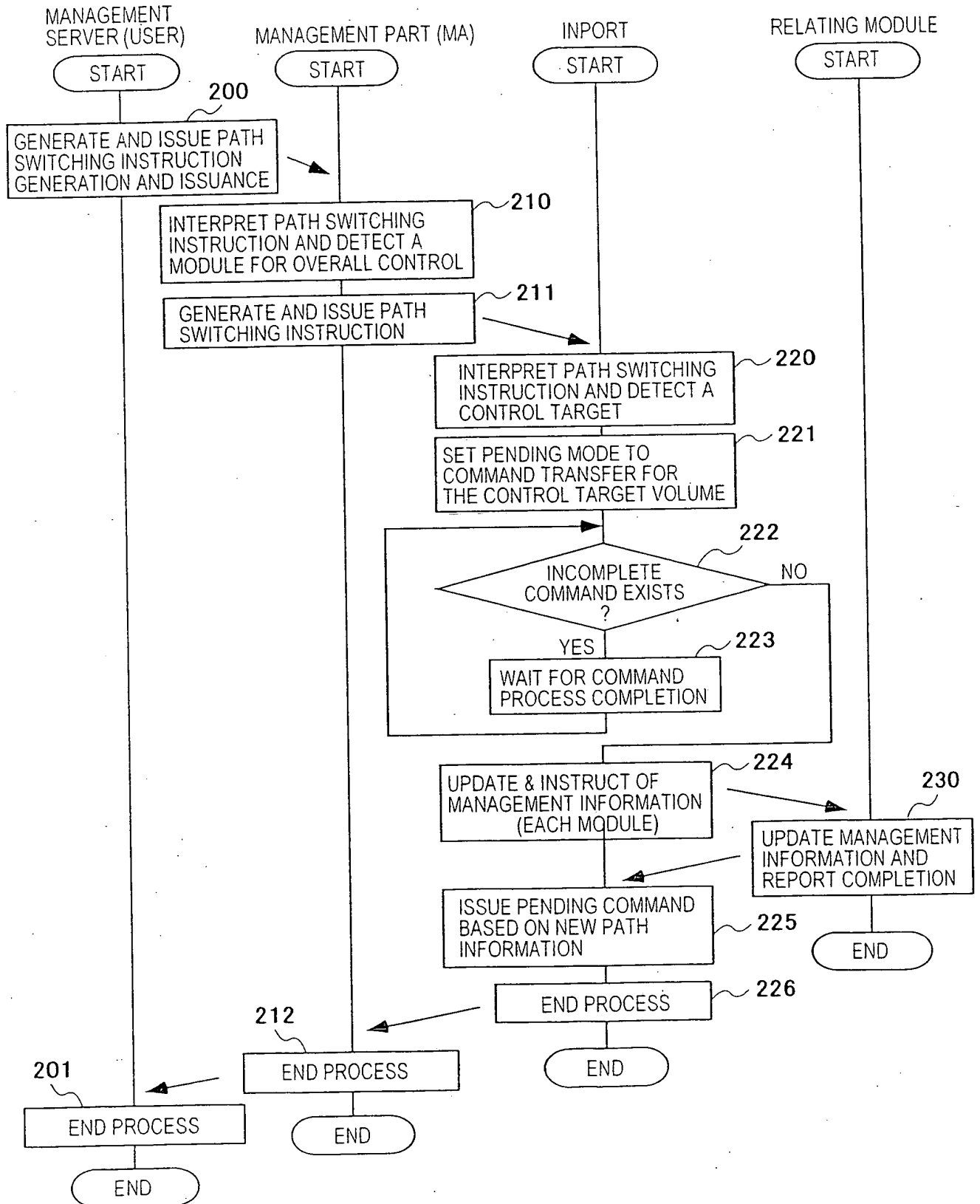


FIG.10

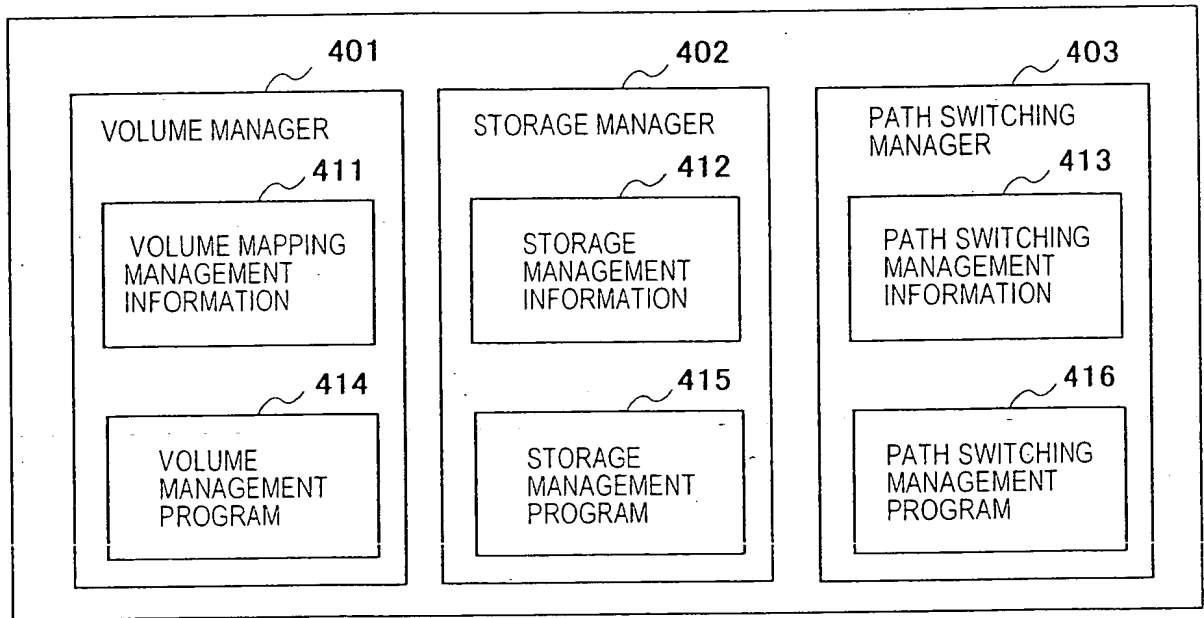


FIG.11

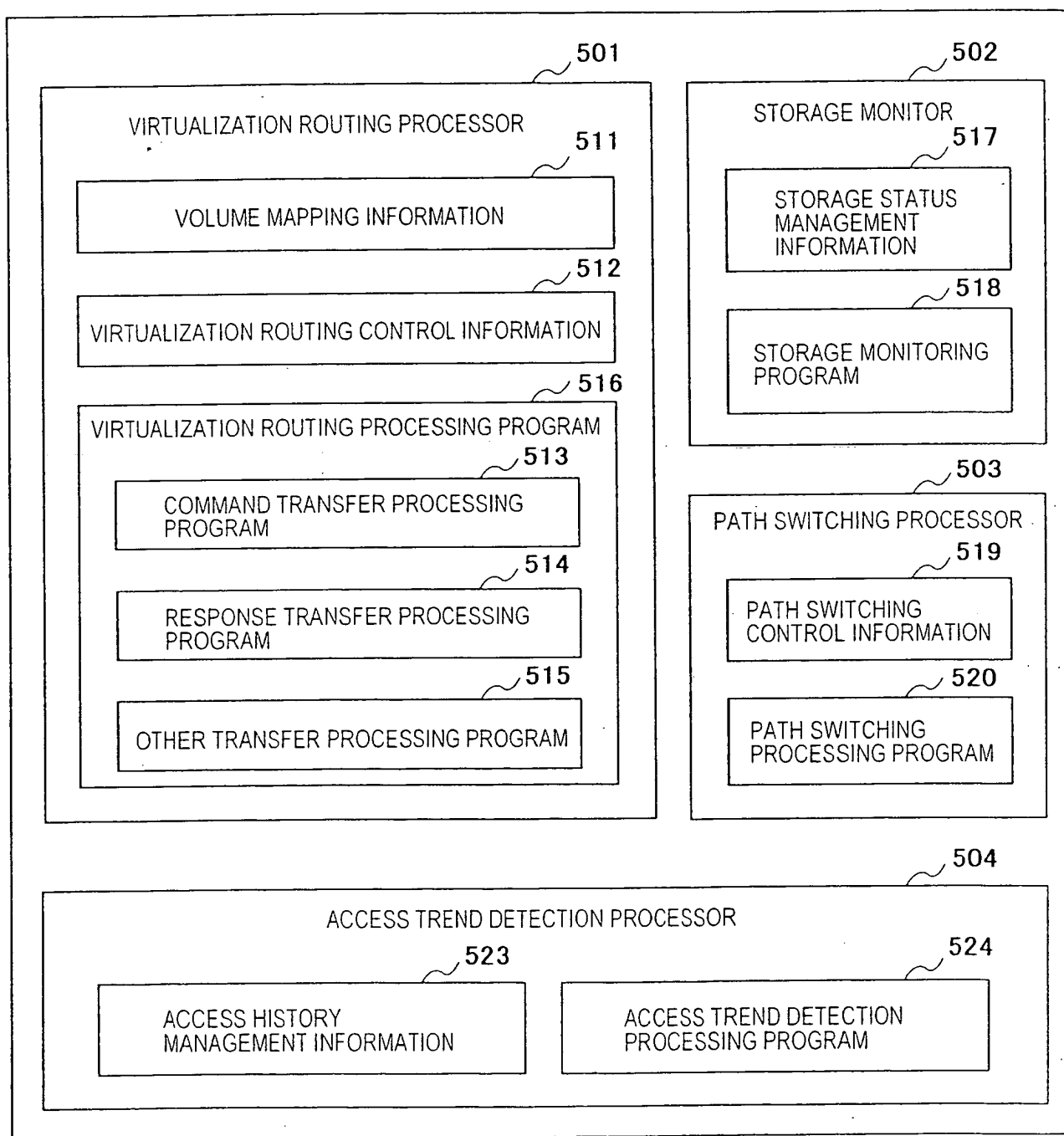


FIG.12

ACCESS TYPE		WEIGHED FACTOR
READ TYPE ACCESS	PROXIMAL ACCESS	2
	IDENTICAL ADDRESS ACCESS	1
	CONTINUOUS ADDRESS ACCESS	-1
	OTHER ACCESS (THE FIRST ACCESS)	0
WRITE TYPE ACCESS	ROXIMAL ACCESS	0
	IDENTICAL ADDRESS ACCESS	1
	CONTINUOUS ADDRESS ACCESS	-2
	OTHER ACCESS (THE FIRST ACCESS)	0

FIG.13

ACCESS TYPE		LUN 0	LUN 1	LUN 2	LUN 3
READ TYPE ACCESS	PROXIMAL ACCESS	100	50	10	0
	IDENTICAL ADDRESS ACCESS	100	50	10	0
	CONTINUOUS ADDRESS ACCESS	0	10	100	0
	OTHER ACCESS	10	10	10	10
WRITE TYPE ACCESS	ROXIMAL ACCESS	10	50	0	0
	IDENTICAL ADDRESS ACCESS	10	50	0	0
	CONTINUOUS ADDRESS ACCESS	0	10	0	100
	OTHER ACCESS	10	10	0	10

FIG.14

523 ACCESS TYPE		552 LUN 0 LUN 1 LUN 2 LUN 3			
READ TYPE ACCESS	PROXIMAL ACCESS	10	50	10	0
	IDENTICAL ADDRESS ACCESS	10	50	10	0
	CONTINUOUS ADDRESS ACCESS	200	10	100	0
	OTHER ACCESS	10	10	10	10
WRITE TYPE ACCESS	PROXIMAL ACCESS	0	50	0	0
	IDENTICAL ADDRESS ACCESS	0	50	0	0
	CONTINUOUS ADDRESS ACCESS	0	10	0	100
	OTHER ACCESS	10	10	0	10

FIG.15

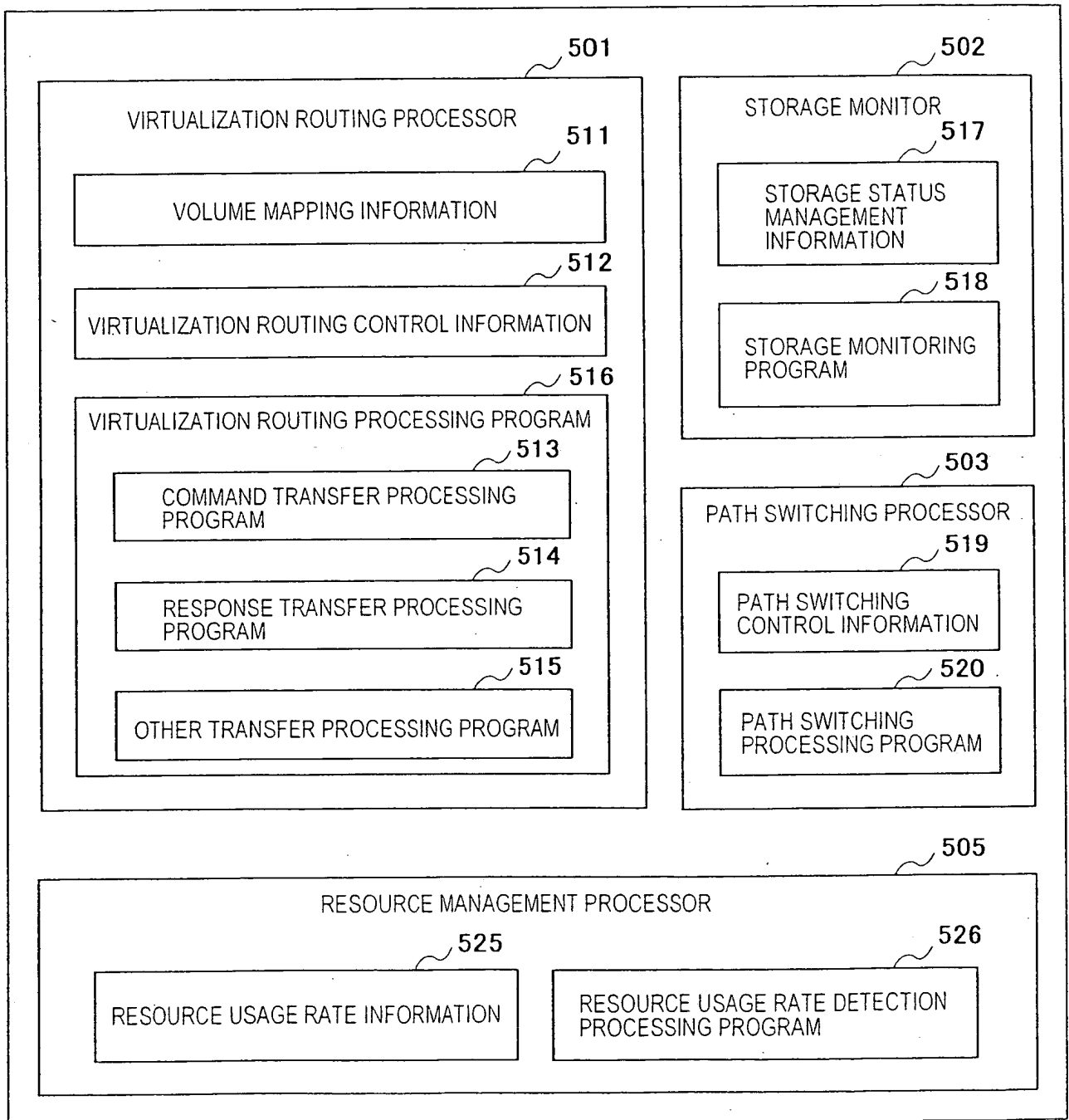


FIG.16

(MANAGEMENT PART)

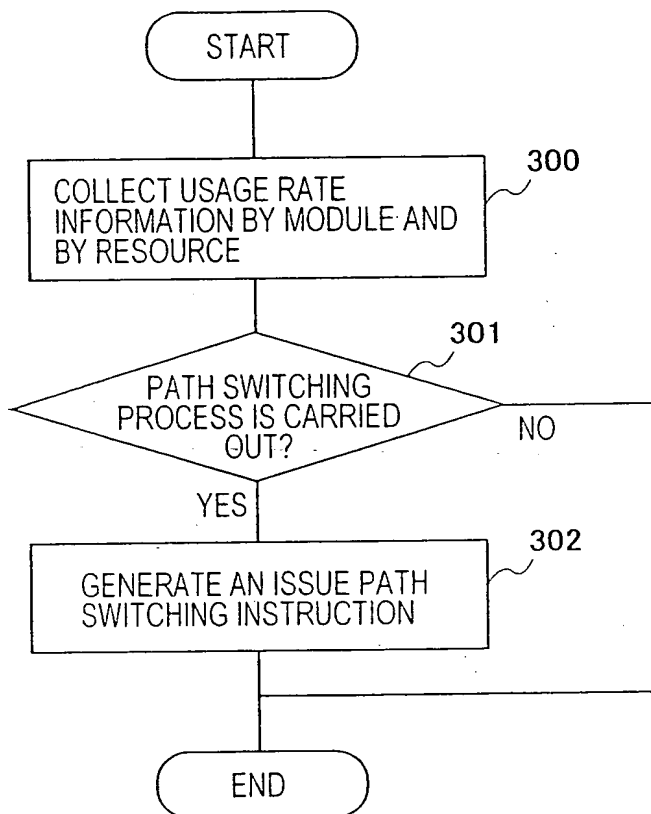


FIG. 17

[illegible]

FIG.18

[illegible]

FIG.19

